

HP PD 100205025-1

ABSTRACT

A method, system and apparatus for estimation of apparent displacement of an object between two images incorporates multiple hypotheses. Search range and step size are selected for testing a plurality of hypotheses. An estimate of object motion is made on a per hypothesis basis and the validity of each of such estimates is measured. Validity measurements that exceed the cutoff value are compared and the estimate of motion having the highest measure of validity is chosen as the most likely apparent displacement of the object.